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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY USSR

SUBJECT Production of Field Telephone Equipment at the
Krasnaia Zaria Plant, Leningrad, and the VEF Plant, Riga

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Krasnaia Zaria Plant, Leningrad

1. The Krasnaia Zaria (Red Dawn) plant is one of the largest factories producing
field telephone equipment for the armed forces of the USSR. In 1953 the Krasnaia
Zaria plant provided the armed forces with the following field telephone apparatus:

UNA-I-43-2
UNA-F-43-2
UNA-FI-43
UNA-TaB

2. UNA-I-43-2 is at present the most perfected induction field telephone apparatus
in use in the armed forces. Its technical data are:

- (a) Total weight together with feeding source - 5 kg
- (b) Size: 286 mm x 185 mm x 123 mm
- (c) Fed only by one dry cell of the type '3 B' of 1.5 Volts and a
capacity of 28 Amp/hours. It functions without fail at a
temperature of up to -30° Centigrade
- (d) Range of conversations -
on telephone-cable lines - up to 25 km
on telegraph-cable lines - up to 30 km
on permanent (air) line - up to 120 km
- (e) The transmission and reception of calls are not dependent
upon the position of the speaking valve (flap)
- (f) UNA-I-43-2 can be engaged into urban telephone networks.

3. The technical data for UNA-F-43-2, UNA-FI-43 and UNA-TaB are the same. The
fixture (pristavka) TaB is a means by which a field telephone apparatus of the type
UNA-FI-43 can be adapted for engaging into an automatic telephone network.

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4. "The plant also produces the following special light-weight field telephone apparatus:

TAI-1-43
TA7-F-43

The total weight of these apparatus is 1.5 kg. The conversation range on telephone-cable lines is up to 15 km.

5. "The Krasnaya Zaria plant manufactures the field telephone switchboards R-60m, PK-10m, TAB x 2 L, TABU and OL-22. These switchboards are lighter than the old types and have modern lightning conductors. To set them up takes no more than 10 minutes.

VEF Plant, Riga

6. "The Krasnaya Zaria plant has close connections with the VEF (State Electro-mechanical Factory) plant in Riga, Latvian SSR, which has also been supplying the armed forces with telephone equipment in recent years. It has been ascertained that in 1953 VEF supplied the armed forces with field switchboards of the type PK-10m which has the following technical data:

Total weight - 10 kg
Time required for setting up - 3-5 minutes
Modern lightning conductor
Size - 320 mm x 300 mm x 200 mm
Possibility to connect several PK-10m switchboards to form one whole.

7. "VEF in Riga was hardly damaged during World War II. Its main specialty is telephone apparatus, especially portable telephone stations. It also builds radio sets and photographic cameras."

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